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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P50A DUAL SERIES

Jameco Part Number 221701 (P50A13D-R1BU)

.UNIVERSAL AC INPUT/FULL RANGE
.IEC320-C14(3PIN INLET)
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATION FOR POWER ON
.SHORT CIRCUIT PROTECTION
.OVER LOAD PROTECTION
.OVER VOLTAGE PROTECTION
.APPROVALS:UL/CUL/TUV/CB/CE
.1YEAR WARRANTY

ORDER NO. / SPECIFICATION	P50A13-yyy		P50A14-yyy		P50A16-yyy	
SAFETY MODEL NO.	PSU50A-13		PSU50A-14		PSU50A-16	
DC OUTPUT VOLTAGE	+5V	+12V	+5V	+15V	+5V	+24V
OUTPUT V. TOLERANCE	±5%	±10%	±5%	±10%	±5%	±10%
OUTPUT RATED CURRENT	4.0A	2.0A	4.0A	1.8A	5.0A	1.0A
OUTPUT CURRENT RANGE	0.5-4.0A	0.1-2.0A	0.5-4.0A	0.1-1.8A	0.5-5.0A	0.1-1.0A
RIPPLE & NOISE	50mVp-p	100mV	50mV	100mV	50mV	100mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±10%	±5%	±10%	±5%	±10%
MAX. DC OUTPUT POWER	44.0W		47.0W		49.0W	
EFFICIENCY	70%		74%		75%	
DC VOLTAGE ADJ.	FIXED					
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz					
AC CURRENT	1.6A/100VAC					
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET					
INRUSH CURRENT	COLD START < 40A PEAK @230VAC					
LEAKAGE CURRENT	<0.75mA/240VAC					
OVERLOAD PROTECTION	HICCUP MODE; AUTO RECOVERY					
OVER VOLTAGE PROTECTION	110%~140% OF +5V RATED OUTPUT VOLTAGE					
TEMP. COEFFICIENT	±0.03% / ℃ (0~50℃)					
SETUP, RISE, HOLD UP TIME	1.5s, 50ms, 12ms AT FULL LOAD AND 230VAC					
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES					
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1minute.					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms min. @500VDC					
WORKING TEMP., HUMIDITY	0℃~+30℃, 20%~90% RH					
STORAGE TEMP., HUMIDITY	-20℃~+85℃, 10%~95% RH					
DIMENSION	147*76*43mm (L*W*H)					
WEIGHT; Q'TY/CARTON	0.55Kgs; 36PCS/CARTON					
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVED					
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11,EN50204 VERIFICATION					
LENGTH OF OUTPUT CABLE	120cm OF AWM 2464X4C,WITH SHIELDING(TYPICAL)					
PLUG OF DC OUTPUT	STANDARD PLUG R1B:DIN 5 PIN yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR					

NOTE:
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25℃ 70% RH. AMBIENT.
2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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